WHAT IS CLAIMED IS

1. A method of minimizing interference from wireless handset components which interferes with the receipt of GPS signals by a GPS receiver located at the handset in which the wireless phone has a motherboard, comprising the steps of:

spacing the GPS receiver from the phone motherboard; and, providing shielding between the GPS receiver and the motherboard.

- 2. The method of Claim 1, wherein the motherboard has ground plane and further including the step of electrically connecting the shielding to the ground plane of the motherboard.
- 3. The method of Claim 2, and further including the step of mechanically connecting the shielding to the ground plane of the motherboard.
 - 4. The method of Claim 1, wherein the shielding includes zinc.
- 5. The method of Claim 1, and further including the step of providing a physical barrier between the GPS receiver and the motherboard, the barrier having an electrically conductive coating thereon.
 - 6. The method of Claim 5, wherein the coating includes zinc.

- 7. The method of Claim 2, wherein the GPS receiver has a system ground and further including the step of electrically connecting the shielding to the system ground of the GPS receiver.
- 8. The method of Claim 1, wherein the handset has a housing and wherein the housing includes a pod for carrying the GPS receiver and further including the steps of providing the walls of the pod with shielding.
- 9. The method of Claim 8, wherein the pod-carried shielding forms a Faraday cage about the GPS receiver.
- 10. The method of Claim 1, wherein the wireless handset carries a patch type GPS antenna with a ground plane and a GPS output connector and further including the step of providing shielding around the output connector.
- 11. The method of Claim 10, and further including providing heavily shielded coaxial cable between the output connector and the GPS receiver.
- 12. The method of Claim 11, wherein the heavy shielding is provided by semi-rigid coaxial cable.
- 13. The method of Claim 10, wherein the GPS antenna includes a filter coupled to the output connection to filter out components to either side of the GPS antenna frequency.

14. The method of Claim 15, wherein the GPS antenna includes a low noise amplifier for amplifying the signal from the GPS antenna to compensate for losses due to the insertion of the filter.

- 15. A system for providing a GPS receiver in a wireless handset such that interference between the components of the handset and the GPS receiver is minimized to a sufficient extent to permit robust receipt of signals by the GPS receiver from GPS satellites, comprising:
 - a wireless handset housing;
 - a phone motherboard located within said housing;
 - a GPS receiver spaced from one side of said phone motherboard; and,
 - shielding/interposed between said GPS receiver and said motherboard.
- 16. The system of Claim 15, wherein said housing includes a bulkhead between said phone motherboard and said GPS receiver and wherein said bulkhead has said shielding affixed thereto.
- 17. The system of Claim 16, wherein said shielding is in the form of a conductive layer on said bulkhead.
 - 18. The system of Claim 15, wherein said shielding includes zinc.

- 19. The system of Claim 15, wherein said phone motherboard has a ground layer and wherein said shielding is electrically connected to said ground layer.
- 20. The system of Claim 15, wherein said GPS receiver has a system ground and wherein said shielding is electrically connected to said system ground.